CLAIMS

What is claimed is:

1. A method for correcting a network address for an object device, the method comprising:

(a) reading, from a record, a recorded network address and a recorded unique enduring identification for the object device;

(b) querying the recorded network address for a returned unique enduring identification;

(c) comparing the returned unique enduring identification with the recorded unique enduring identification; and,

(d) responsive to a mismatch between the returned unique enduring identification and the recorded unique enduring identification, finding a current network address for the object device and replacing the recorded network address with the current network address.

2. The method of claim 1 wherein querying the recorded network address for a returned unique enduring identification includes:

(a) addressing a unique enduring identification query to the recorded network address; and,

(b) receiving the response to the query.

3. The method of claim 1 wherein querying the recorded network address for a returned unique enduring identification includes performing an SNMP Get call to the recorded network address.

4. The method of claim 1 wherein finding a current network address for the object device includes:

(a) reading, from the record, a recorded hostname for the object device; and,

(b) retrieving the current network address for the recorded hostname.

5. The method of claim 1 wherein finding a current network address for the object device includes:

(a) reading, from the record, a recorded hardware address for the object device;

(b) sending an network multicast request for hardware addresses;

(c) receiving responses to the network multicast for hardware addresses;

(d) searching the responses for a response having a match to the recorded hardware address; and,

(e) extracting the current network address from the response having a match to the recorded hardware address.

6. The method of claim 5 further including iteratively repeating steps (b) through (d) until a match to the recorded hardware address is found in the responses.

7. The method of claim 1 further including iteratively repeating steps (b) through (d) until a match occurs between the returned unique enduring identification and the recorded unique enduring identification.

8. A system for correcting a network address for an object device, the system comprising:

(a) a record having a recorded network address and a recorded unique enduring identification for an object device;

(b) a reader configured to read, from the record, the recorded network address and the recorded unique enduring identification for the object device;

(c) an interrogator configured to query the recorded network address for a returned unique enduring identification;

(d) a comparator configured to compare the returned unique enduring identification with the recorded unique enduring identification; and,

(e) a rectifier configured to respond to a mismatch between the returned unique enduring identification and the recorded unique enduring identification, by finding a current network address for the object device and replacing the recorded network address with the current network address.

9. The system of claim 8 wherein the investigator includes:

(a) a dispatcher configured to address a unique enduring identification query to the recorded network address; and,

(b) a receiver configured to receive the response to the query.

10. The system of claim 8 wherein the investigator includes a manager configured to perform an SNMP Get call to the recorded network address.

11. The system of claim 8 wherein:

(a) the record further includes a recorded hostname for the object device;

(b) the reader is further configured to read, from the record, a recorded hostname for the object device; and,

(c) wherein the rectifier includes a retriever configured to retrieve the current network address for the recorded hostname.

12. The system of claim 8 wherein:

(a) the record further includes a recorded hardware address for the object device;

(b) the reader is further configured to read, from the record, a recorded hardware address for the object device; and,

(c) the rectifier includes:

(i) a broadcaster configured to send a network multicast request for hardware addresses;

(ii) a listener configured to receive responses to the network multicast for hardware addresses;

(ii) an investigator configured to search the responses for a response having a match to the recorded hardware address; and

(iv) an extractor configured to extract the current network address from the response having a match to the recorded hardware address.

13. A program storage device readable by a computer, tangibly embodying a program, applet, or instructions executable by the computer to perform method steps for correcting a network address for a object device, the method steps comprising:

(a) reading, from a record, a recorded network address and a recorded unique enduring identification for the object device;

(b) querying the recorded network address for a returned unique enduring identification;

(c) comparing the returned unique enduring identification with the recorded unique enduring identification; and,

(d) responsive to a mismatch between the returned unique enduring identification and the recorded unique enduring identification, finding a current network address for the object device and replacing the recorded network address with the current network address.

14. The program storage device of claim 13 wherein the method step of querying the recorded network address for a returned unique enduring identification includes:

(a) addressing a unique enduring identification query to the recorded network address; and,

(b) receiving the response to the query.

15. The program storage device of claim 13 wherein the method step of querying the recorded network address for a returned unique enduring identification includes performing an SNMP Get call to the recorded network address.

16. The program storage device of claim 13 wherein the method step of finding a current network address for the object device includes:

(a) reading, from the record, a recorded hostname for the object device; and,

(b) retrieving the current network address for the recorded hostname.

17. The program storage device of claim 13 wherein the method step of finding a current network address for the object device includes:

(a) reading, from the record, a recorded hardware address for the object device;

(b) sending a network multicast request for hardware addresses;

(c) receiving responses to the network multicast for hardware addresses;

(d) searching the responses for a response having a match to the recorded hardware address; and,

(e) extracting the current network address from the response having a match to the recorded hardware address.

18. The program storage device of claim 17 wherein the method steps further included iteratively repeating steps (b) through (d) until a match to the recorded hardware address is found in the responses.

19. The program storage device of claim 13 wherein the method steps further included iteratively repeating steps (b) through (d) until a match occurs between the returned unique enduring identification and the recorded unique enduring identification.